PATENT
Attorney Reference Number 4239-66903-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Valenzuela *et al.*

Application No. 10/527,500

Filed: March 11, 2005

Confirmation No. 9994

For: P. ARIASI POLYPEPTIDES, P.
PERNICIOSUS POLYPEPTIDES AND
METHODS OF USE

Examiner: Not yet assigned

Art Unit: Not yet assigned

Attorney Reference No. 4239-66903-02

CERTIFICATE OF MAILING

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Attorney or Agent
for Applicant(s)Date Mailed June 29, 2005MAIL STOP AMENDMENT
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ALEXANDRIA, VA 22313-1450TRANSMITTAL LETTER

Enclosed for filing in the application referenced above are the following:

- Supplemental Information Disclosure Statement
 - Form 1449 and copies of references cited thereon (33)
- The Director is hereby authorized to charge any additional fees that may be required, or credit over-payment, to Deposit Account No. 02-4550. A copy of this sheet is enclosed.
- Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

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By

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cc: Docketing

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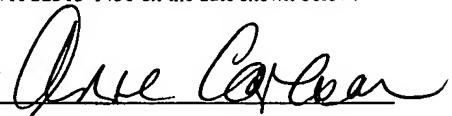
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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97(b)(3)**

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Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Applicants filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicants to file this IDS, authorization to charge any such fees to Deposit Account No. 02-4550 is provided on the accompanying transmittal letter.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Attorney Docket Number	4239-66903-02		
		Application Number	10/527,500		
		Filing Date	March 11, 2005		
		First Named Inventor	Valenzuela		
		Art Unit	Not yet assigned		
		Examiner Name	Not yet assigned		
FOREIGN PATENT DOCUMENTS					
Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
		WIPO/PCT	WO 95/06729	9 March 1995	Matlashewski <i>et al.</i>
		WIPO/PCT	WO 02/102324	27 Dec 2002	Valenzuela <i>et al.</i>
		WIPO/PCT	WO 2004/039958	13 May 2004	Valenzuela <i>et al.</i>
Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS			
		ADLER <i>et al.</i> , "The mouthparts, alimentary tract and salivary apparatus of the female <i>Phlebotomus papatasi</i> ," <i>Ann. Trop. Med. Parasitol.</i> 20:109, 1926.			
		BELKAID <i>et al.</i> , "A natural model of <i>Leishmania major</i> infection reveals a prolonged "silent" phase of parasite amplification in the skin before the onset of lesion formation and immunity," <i>J. Immunol.</i> 165:969-977, 2000.			
		CHARLAB <i>et al.</i> , "Toward an understanding of the biochemical and pharmacological complexity of the saliva of a hematophagous sand fly <i>Lutzomyia longipalpis</i> ," <i>Proc. Natl. Acad. Sci., USA</i> . 96(26):15155-15160, 1999			
		HASKÓ <i>et al.</i> , "Adenosine receptor agonists differentially regulate IL-10, TNF-alpha, and nitric oxide production in RAW 264.7 macrophages and in endotoxemic mice," <i>J. Immunol.</i> , 157(10):4634-4640, 1996			
		HASKÓ <i>et al.</i> , "Adenosine inhibits IL-12 and TNF-[alpha] production via adenosine A2a receptor-dependent and independent mechanisms," <i>FASEB J.</i> , 14(13):2065-2074, 2000			
		GURUNATHAN <i>et al.</i> , "Vaccination with DNA encoding the immunodominant LACK parasite antigen confers protective immunity to mice infected with <i>Leishmania major</i> ," <i>J. Exp. Med.</i> 186:1137-1147, 1997.			
		GURUNATHAN <i>et al.</i> , "Vaccine requirements for sustained cellular immunity to an intracellular parasitic infection," <i>Nat. Med.</i> 4:1409-1415, 1998.			
		KAMHAWI <i>et al.</i> , "Protection against cutaneous leishmaniasis resulting from bites of uninfected sand flies," <i>Science</i> 290:1351-1354, 2000.			
		KATZ <i>et al.</i> , "Adenosine, AMP, and protein phosphatase activity in sand fly saliva," <i>Am. J. Trop. Med. Hyg.</i> 62:145-150, 2000.			

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* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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STATEMENT BY APPLICANT**

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Examiner Name	Not yet assigned

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		KILLICK-KENDRICK, Biology of <i>Leishmania</i> in phlebotomine sand flies. In Biology of the Kinetoplastida. W. Lumsden and D. Evans, editors. Academic Press, New York. 395, 1979
		LERNER <i>et al.</i> , "Isolation of maxadilan, a potent vasodilatory peptide from the salivary glands of the sand fly <i>Lutzomyia longipalpis</i> ," <i>J. Biol. Chem.</i> , 266(17):11234-11236, 1991
		MAKOUL <i>et al.</i> , "Prostaglandin E2 inhibits the activation of cloned T cell hybridomas," <i>J. Immunol.</i> , 134(4):2645-2650, 1985
		MELLANBY, "Man's Reaction to Mosquito Bites," <i>Nature</i> 158(4016):554-555, 1946
		MÉNDEZ <i>et al.</i> , "The potency and durability of DNA- and protein-based vaccines against <i>Leishmania major</i> evaluated using low dose, intradermal challenge," <i>J. Immunol.</i> 166(8):5122-5128, 2001.
		MODI <i>et al.</i> , "A simple technique for mass rearing <i>Lutzomyia longipalpis</i> and <i>Phlebotomus papatasi</i> (Diptera: Psychodidae) in the laboratory," <i>J. Med. Ent.</i> 20:568-569, 1983.
		NONG <i>et al.</i> , "Peptides encoded by the calcitonin gene inhibit macrophage function," <i>J. Immunol.</i> , 143(1):45-49, 1989
		QURESHI <i>et al.</i> , "Immunomodulatory properties of maxadilan, the vasodilator peptide from sand fly salivary gland extracts," <i>Am. J. Trop. Med. Hyg.</i> , 54(6):665-671, 1996
		RIBEIRO <i>et al.</i> , "Blood-finding strategy of a capillary-feeding sandfly, <i>Lutzomyia longipalpis</i> ," <i>Comp. Biochem. Physiol.</i> , 83(4):683-686, 1986
		RIBEIRO <i>et al.</i> , "Salivary apyrase activity of some Old World phlebotomine sand flies," <i>Insect Biochem.</i> 19:409-412, 1989.
		RIBEIRO <i>et al.</i> , "Salivary glands of the sand fly <i>Phlebotomus papatasi</i> contain pharmacologically active amounts of adenosine and 5'-AMP," <i>J. Exp. Biol.</i> , 202(Pt. 11):1551-1559, 1999
		SANTOLI <i>et al.</i> , "Prostaglandin E precursor fatty acids inhibit human IL-2 production by a prostaglandin E-independent mechanism," and Zurier, <i>J. Immunol.</i> , 143(4):1303-1309, 1989
		SJÖLANDER <i>et al.</i> , "Induction of a Th1 immune response and simultaneous lack of activation of a Th2 response are required for generation of immunity to leishmaniasis," <i>J. Immunol.</i> 160:3949-3957, 1998.

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		SMELT <i>et al.</i> , "B cell-deficient mice are highly resistant to <i>Leishmania donovani</i> infection, but develop neutrophil-mediated tissue pathology," <i>J. Immunol.</i> 164:3681-3688, 2000.	
		SOARES <i>et al.</i> , "The vasoactive peptide maxadilan from sand fly saliva inhibits TNF-alpha and induces IL-6 by mouse macrophages through interaction with the pituitary adenylate cyclase-activating polypeptide (PACAP) receptor," <i>J. Immunol.</i> 160:1811-1816, 1998	
		STOCKMAN <i>et al.</i> , "The effect of prostaglandins on the in vitro blastogenic response of human peripheral blood lymphocytes," <i>Exp. Hematol.</i> , 2(2):65-72, 1974	
		THEODOS <i>et al.</i> , "Analysis of enhancing effect of sand fly saliva on <i>Leishmania</i> infection in mice," <i>Infect. Immun.</i> 59:1592-1598, 1991.	
		TITUS <i>et al.</i> , "The role of vector saliva in transmission of arthropod-borne disease," <i>Parasitology Today</i> 6(5):157-160, 1990.	
		VALENZUELA <i>et al.</i> , "The salivary apyrase of the blood-sucking sand fly Phlebotomus papatasi belongs to the novel Cimex family of apyrases," <i>J. Experimental Biology</i> , 204:229-237, 2001.	
		WEBSTER, "Role of purines in lymphocyte function," <i>Asian Pac. J. Allergy Immunol.</i> , 2(2):311-317, 1984	
		XU <i>et al.</i> , "Protection against leishmaniasis by injection of DNA encoding a major surface glycoprotein, gp63, of <i>L. major</i> ," <i>Immunology</i> 84:173-176, 1995.	

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